

# Introduction to Physiologically Based Pharmacokinetic (PBPK) Modelling

Lectures and workshop

Friday, October 25<sup>th</sup>, 2024 - 9:00 -18:00

Campus Gasthuisberg, Room Vesalius PC.06.400

Organized by BelTox in collaboration with the research group of Prof. Annaert (KU Leuven Drug Delivery and Disposition Lab) and with the support of guest speakers.

## [Workshop on PBPK modelling 2024 - Beltox](#)

Organizing team at KU Leuven:

Getahun Befirdu Abza, Cleo Demeester, Kristof De Vos, Sofie Heylen, Miao-Chan Huang, Karen Leys, Julia Macente, Caro Mertens, Nina Nauwelaerts, Chen Ning, Alessandra Pugliano, Martje Van Neste, Pieter Annaert

<b>9:00 – 9:50</b>	Basic concepts in PBPK modelling	Pieter Annaert
<b>9:50 – 10: 40</b>	Industry perspective of PBPK modelling	An Vermeulen
<b>10:40-11:10</b>	Break	
<b>11:10-12:00</b>	Regulatory aspects of PBPK modelling	Flora Musuamba Tshinanu
<b>12:00-13:00</b>	Lunch break	
<b>13:00-14:00</b>	PK-SIM® Introductory demo, including Q&A	Organizing team
<b>14:00-15:30</b>	Hands-on session 1: basic model for caffeine (IV and oral), parameter estimation, simulations in different individuals	Organizing team
<b>15:30-16:00</b>	Break	
<b>16:00-17:30</b>	Hands-on session 2: drug-drug interaction between caffeine and fluvoxamine, simulations in different populations	Organizing team
<b>17:30-18:00</b>	Final Q&A, closing remarks, course evaluation	Organizing team